2016 EWEB GREENPOWER GRANT APPLICATION

Contact Information:

Buena Vista Elementary School

NAME OF ORGANIZATION

Juan Cuadros

CONTACT NAME

Principal

CONTACT TITLE

1500 Queens Way

STREET ADDRESS

Eugene, OR 97401

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(541) 790-6500

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E-MAIL

http://buenavista.4j.lane.edu

WEBSITE

PV 4 BV Solar Initiative

PROPOSAL TITLE

$50,000

GRANT AMOUNT REQUESTED

SIGNATURE 02-17-2016 DATE

Email completed application and proposal to:
Kristen Langham
kristen.langham@eweb.org

Application deadline:
Must be submitted **no later than**
Friday, February 19, 2016

Questions?
kristen.langham@eweb.org
541-685-7169

Proposal
(Maximum 10 pages not including attachments)

1. Background:

- Mission of the organization
- The needs your organization addresses
- The population your organization serves
- A brief description of your current programs and operating budget

2. Project Description:

- Statement of the primary purpose of the project and its relationship to EWEB's mission
- The population you plan to serve and how they will benefit from the project
- Strategies you will employ to implement the project

3. Project Evaluation

- Your criteria for a successful project
- The results you hope to achieve by the end of the funding period
- The method by which you will measure effectiveness

4. Budget and Timeline

- A budget for the project for which funds are requested, **including at least 20% of matching funds or support**
- Timeline of the project

5. Attachments

- Proof of nonprofit status (copy of IRS letter)*
- List of board of directors*
- One-paragraph resumes of key staff working on the project
- Amount and source of any other funding support previously received from EWEB (if applicable)
- Proof of ownership or authority to install equipment at or otherwise modify building, if request for facility construction project

*Optional or not needed for public and academic institutions

THE PV 4 BV SOLAR INITIATIVE February 19, 2016

EWEB Greenpower Grant Proposal
Buena Vista Elementary
4J School District
Eugene, Oregon

Partners:

Buena Vista Parent Organization (BVPO)
Cal Young Neighborhood Association
Centro Latino Americano
University of Oregon's Center for Sustainable Business Practices

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I. Background

Buena Vista Elementary School (BV), part of Eugene's 4J School District, is located within the Cal Young Neighborhood Association -- a vibrant neighborhood that boasts many amenities, including major shopping centers, parks, two golf courses, a fire station, a police station and a branch library. Formerly sharing the facilities with Meadowlark Elementary School, BV took over the 45,911 square foot building in 2002 to respond to the increased demand for language immersion education and to create a premier language immersion facility.

Buena Vista is a "choice school," one of four language immersion elementary schools in the district. Students are selected from a voluntary annual lottery throughout the school district. The school serves 424 students - kindergarten through fifth grade with 16 full-time classroom teachers and boasts a 23:1 teacher/student ratio. BV's full immersion in the Spanish language is a top priority, and it takes pride in a committed, multi-cultural staff, a dedicated parent organization (BVPO), and an active supportive community that values BV's presence. Students in Kindergarten through 3rd grade receive 90 percent of instruction in Spanish while 4th and 5th grade students receive 60 percent. BV's consistent goal is for both native Spanish and native English students to be bilingual by 6th grade.

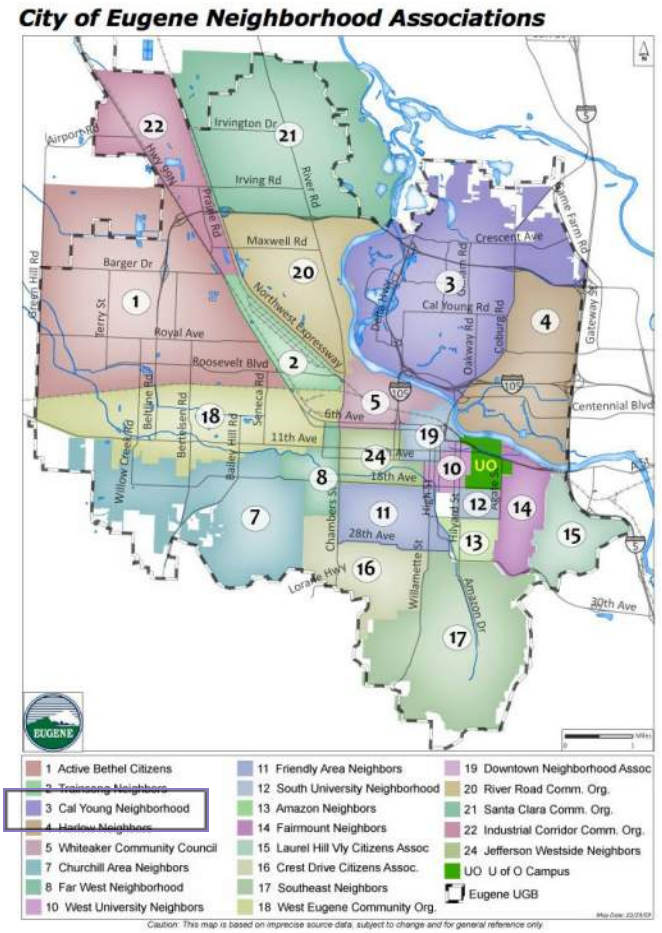
BV is also a Title I school, meaning it qualifies for federal programs that fund additional instruction for qualifying students. Approximately 35% percent of BV's students receive support through the National School Lunch Program (NSLP), which provides free and reduced meals to students in need. Demographic information provided by the University of Oregon reports that BV students are 72.1% White, 15% Hispanic, 11.2% (Other, 0.7% Black/African American, 0.7% American Indian and 0.3% Asian.[1]) Compared to 2014 census data, the Hispanic population in Lane County is 8.3 percent, making BV's current student make-up nearly double the county average. In 2015, 318 students applied for admission into BV; 107 were accepted, 69 non-native Spanish speakers, while 38 students were native Spanish speakers.

II. Project Description

The project, affectionately called "*The PV 4 BV Solar Initiative*," will generate renewable energy and benefit students, teachers and community members. EWEB would be a financial contributor to a

[1] http://blogs.uoregon.edu/teacherknowledge5/files/2014/07/Demographics-of-Local-Schools-2ful2cf.pdf

community-supported, highly interactive 8.6 kW solar panel installation on the rooftop at the elementary school site. The selected rooftop location is over the southern wing of classrooms (see appendix for installer drawings.) This location provides good solar access without shading, has been recently re-roofed (current membrane roof is 2 years old), and has easy access to a locked electrical panel directly below the proposed location.



BV is planning to use this project as a part of a larger initiative promoting sustainability on the school campus. This first step of a highly-visible installation will educate students, parents and the Cal Young neighborhood about solar energy, the current technology, and its carbon potential by making information accessible, exciting, visual and part of in-class curriculum.

Once installed*, The PV 4 BV Solar Initiative* is sustainable and the yearly return on investment will only continue to improve the value of the project. The solar array can be easily maintained long-term when installed strategically as proposed and can help to decrease the facility maintenance budget. Administration, Maintenance and Facility Management staff have been involved in the feasibility study and the process of locating, sizing and integrating the array. They support the project and see the advantages to the students and to the facility.

The *PV 4 BV Solar Initiative* supports EWEB's mission *"to be an outstanding provider of energy and water that benefits the citizens of Eugene"* in the following ways:

1. ***The Environment.*** According to an EPA calculator, the *PV 4 BV* solar array system will save an estimated 10,400 kWh—about 7% of the power used at our facility— during the first year alone, or a lifetime energy savings of 335,000 kWh, while saving an equivalent of 150 tons of CO2 or 15,370 gallons of gasoline, or 3,500 trees planted[2]. This directly benefits all community members and supports the City of Eugene's Climate and Energy Action Plan (CEAP) goals to reduce carbon emissions. Furthermore, it supports EWEB's goals to produce local, renewable energy thus decreasing power purchases from non-renewable sources.

2. ***General Education.*** The *PV 4 BV Solar Initiative* will reduce BV's operating costs and allow the 4J District to dedicate more resources to our core mission of "academic excellence in a caring and stimulating environment focused on educating children who are bicultural in English and Spanish." Currently, BV is not aware of the resources that they consume as all billing is handled off site by the district. This program and its educational components will provide teachers, staff,

[2] See Advanced Energy Systems report in appendix.

and administrators with real time information on how much they are consuming so that excess energy and waste can be identified and eliminated.

As the State of Oregon's second largest and oldest Spanish language immersion program[3], BV has been a leader in promoting a forward-thinking, global education for over 30 years. As leaders in the community, we see an opportunity for BV to continue to be an example for the next generation by being a comprehensive source for the community on sustainable practices that minimize environmental impacts. The proposed system would reduce BV's operating costs by at least $633 year (at $0.07/kWh), allowing us to dedicate more resources to our unique educational program offerings at a time when many of these programs are being cut. Examples include advanced STEM curriculum, a robust music program, physical education and art programs, including the Artist in Residence Program which brings local artisans into the school.

3. ***Solar-Specific Education.*** The *PV 4 BV Solar Initiative* will provide key opportunities for students to learn about the energy produced through a new informational display, showcasing "real-time" energy data as it is collected. The kiosk will be custom-built, prominently located, and will include a 17" LCD touch screen that allows students, parents, and visitors to the school to learn about solar power, conservation, and other types of renewable energy. It is anticipated that each year, hundreds of parents and community members will learn about our Greenpower grant-funded array and its solar output by interacting with the kiosk at the BV campus for regular school activities and after-hours events.

   The online dashboard will be available to all community members via the Internet. Students will be able to access information in the classroom for experimentation, data collection, and other projects. BV believes that this access will enhance STEM-based education (Science, Technology, Engineering and Math) related to onsite energy generation, consumption, and sun and weather patterns while highlighting the importance of renewable energy sources. The fact that the curriculum would be taught in Spanish is unique to the region and helps to reach families of the school and within the community who may speak predominantly Spanish and little or no English. Curriculum with a focus on sustainability is currently not offered to BV students. As an additional resource, the Bonneville Education Foundation - Solar 4 Schools program's free, online, research-based resources will be accessible for teachers to incorporate energy and science-based learning into the classroom.

4. **Ongoing BV Sustainability Initiatives.**The project is a part of the school's overall efforts to increase awareness and education surrounding sustainable practices. For a list of current BV initiatives and programs see Appendix E. BV is currently participating in BRING's RE:think Schools Pilot Program. RE:think Schools has conducted an audit of BV's operational practices evaluating waste, energy, and water consumption. The program has documented current energy use and has provided conservation and waste reduction goals. RE:think Schools recommendations, along with energy savings associated with the solar array, will provide the school with ongoing energy and carbon reductions. In addition to RE:think Schools, BV has applied and received Oregon Green School (OGS) "entry level" status. OGS is a statewide,

[3] http://daveporter.typepad.com/global_strategies/2014/04/

nonprofit organization that was formed in 1997 with over 300 participating schools. Out of the 13 Eugene schools OGS certified, there are no North Eugene area schools participating. BV would be the first and, thus, a leader in modeling these practices for other schools in the future.

5. **Outreach and Increased Awareness of the Greenpower Program and the Benefits of Local, Renewable Energy.** Awarding BV the EWEB Greenpower grant would not only benefit the school and provide education on energy sustainability to students and staff, but it would also create an awareness to other Eugene 4j schools, the district, and the broader area that using local and renewable energy can be done on existing buildings and needs to start in our community.

   The photovoltaic array would be a highly visible feature at the front of the school. The array would be mounted to angled brackets located on the south wing of the building directly facing Queens Way - the main entry point off of Cal Young Road approaching the school. This location will ensure that no trees encroach on or shade the array over time. Furthermore, the BV drop-off and pick-up site receives 450 vehicles per day, all passing by the array before exiting the parking lot. This high-visibility location would be a constant reminder to students, staff, parents, and community members. See Appendix for installation diagrams.

   The proposed system will include an online dashboard. The dashboard represents an opportunity to educate students and let them interact with the system. Campus signage will raise awareness and provide additional information as well as recognize EWEB and the Greenpower customers who supported the project.

   BV also plans to publicize this project through press releases to local media channels, KRVM radio announcements, regular updates on BV's eNews sent to 700 parents across the region, the BVPO newsletter, and regular Facebook posts. In addition, we plan to leverage current project partners (i.e., BRING, Cal Young Neighborhood Association, Centro Latino Americano, UO Center for Sustainable Business) to look for free marketing opportunities through their respective social media outlets and relationships with local press. Corporate sponsors will also be critical in communicating the project via social media and web announcements.

   This project directly benefits multiple populations within EWEB's service area including the approximately 424 BV students, 1,000 parents and family members visiting BV's campus yearly, and EWEB itself, through positive public opinion. Historically, the Cal Young service territory (see Appendix F) has not been as likely to participate in initiatives that involve renewable energy. This is supported by two indicators reported by EWEB staff: 1) Past and current PV installs happen more frequently on the south side of Eugene. 2) Out of 2,000 Greenpower residential sign-ups, only 10 percent are Cal Young Neighborhood residents. This is a geographic location where there is potential growth for Greenpower sign-ups and education about the benefits of local, renewable energy systems.

III. Project Evaluation

BV and the *PV for BV Solar Initiative* Committee will measure the project's success by using the following goals, methods and measurements.

GOAL	METHOD	EVALUATION	6 MONTHS	1 YEAR
Reduce overall non-renewable energy consumption	● Install 8.6kW solar panel array. (Offsetting approximately 7% of current use.) ● Reduce overall consumption.	● Yearly energy consumption data provided by EWEB ● Re:Think Certification targeted load decreases and conservation measures implemented.	10% overall reduction is use.	15% overall reduction in energy use.
Increase student and teacher awareness and interaction with solar energy, alternative energy generation.	● Interactive dashboard access ● Kiosk at entry describing the system. ● Provide access to and implement curriculum surrounding renewable energy sources in Spanish. ● Produce graphics and signage for display at school entry promoting results and installation of the array. ● Add Spanish language curriculum surrounding solar energy, consumption and reduction.	● Track online website views. ● Track overall kiosk views. ● Initial baseline survey given to students at first in-class presentation. ● Track number of students receiving sustainable education in class. ● Teacher feedback surveys.	● (2) views/ student at online dashboard ● 10% improvement in baseline survey results for general knowledge surrounding renewables.	● (4) views/ student at online dashboard ● 20% improvement in baseline survey results for general knowledge surrounding renewables.
Increase enrollment to EWEB's Greenpower program by Cal Young Assocation neighbors and student families.	● Increase marketing efforts to families via in-class visits, weekly newsletter and social media outlets. ● Promote ability to vote for BV in the EWEB grant cycle through Greenpower program. ● Present and promote program to Cal Young Neighborhood Association.	● Overall increase as reported by EWEB.	3% increase in total participation (from 10% to 13%)	5% increase in total participation (from 10% to 15%)
Use PV panels as a highly-visible kick-off project to other sustainable projects on campus.	● Ribbon-cutting ceremony ● In-class initial presentations and follow up visits by *PV 4 BV* Committee.	● Track attendance at ceremony ● Increase participation in parent committees, work parties and donations/fundraising	● Fill all committee positions. ● Generate funds required for School Garden Project implementation	● Secure all needed funds for School Garden Project ● Become Re:Think Schools certified.
Increase awareness of solar power to community members and other schools.	● Promote program and EWEB Greenpower grant funding at in-class visits, neighborhood association meetings and social media interfaces. ● Ribbon-cutting ceremony and press release. ● Produce graphics and signage for display at school at points of public interface on campus for after-hours events promoting results and installation of the array. (cafeteria, library, office.) ● Promote tours/ school visits by other local elementary schools. ● Promote Spanish-language resources to other bilingual schools in the area. ● Kiosk showcasing online dashboard.	● Track overall kiosk views/ touches. ● Track attendance at after-hours events. ● Provide resources and support to other elementary schools, parent organization and community members looking to implement renewable energy practices.	● One (1) completed tour by Cal Young Neighborhood Association ● One (1) completed tour by visiting elementary school. ● One (1) completed tour by visiting education professionals.	● Additional completed tour by visiting elementary school students and/or teachers. ● Additional completed tour by interested local community group or professional group.

IV. Budget

TOTAL PROJECT EXPENSES AND FUNDING SOURCES

DESCRIPTION	AMOUNT
Photovoltaic Array (Advanced Energy Systems) ● PV Array, permit, 8.6 KW power system, including modules, 12 KW DC/AC of inverters, to also include conduit, wire, fuses and disconnects for a NEC compliant system. ● Online dashboard ● Design and Installation (See Appendix for detailed drawings and specifications.)	($48,500)
Electrical Contractor - (Contingency)	($5,000)
Solar Education Kiosk ● Display screen and shipping ● Mounting and display surround ● Software, Installation, Electrical Coordination ● Education/training on system	($3,000)
Marketing Posters, Materials, etc. ● Environmental graphics/signage promoting program ● Surveys	($750)
Ribbon-cutting Ceremony ● Promotional materials	($250)
TOTAL PROJECT COST	**($57,500)**

PROJECT FUNDING SOURCES

DESCRIPTION	AMOUNT
EWEB Greenpower Grant (Amount requested)	$50,000
PV 4 BV Hat Sales ● A fundraising effort to publicize *The PV 4 BV Solar Initiative* is currently underway. 100% of the proceeds from the sale of the hats shown at right and will be added to the contribution by the school towards the array. *150 hats * $20/hat = $3,000 gross* *($5.00 ea. printing costs) $750 = $2,250 net* 	$2,250
PV 4 BV at Hot Mama's Wings ● All BV parents and friends bring a flyer into the restaurant and 20% of proceeds go to the solar project.	$500
Tax Deductible Corporate Sponsors ● Corporate sponsors[4] are also currently being pursued for donations.	$3,000
BVPO ● The BVPO will contribute **up to $8,000** to the cost of the system.	$4,250
TOTAL EXPECTED PROJECT FUNDS	**$60,000[5]**

[4] *Currently the list of sponsors include the following:*
- *Pacific Office Automation (All printing, copying and other print materials- $500 value)*
- *Rowell Brokaw Architects (Architectural design and coordination services)*

Donors to receive recognition at Ribbon Cutting, through Social Media, print marketing materials and on kiosk and other informational outlets.

[5] *Funds above those required will be used to increase the overall size of the array or increase educational outreach.*

Additional Sources of Potential Funding. This project will likely qualify for additional funding through Oregon Renewable Energy Development (RED) Grant. This process would require SB 1149 Schools Program Energy Audit - eligible projects may receive reimbursement from the school district's PPC funds and the Oregon Department of Energy - Energy Incentive Programs (formerly known as Business Energy Tax Credit). However, total PPC funds and other incentives may not exceed the total cost of an eligible project. Additionally, school districts must prioritize SB 1149 Schools Program PPC funds to implement EEMs before receiving grant funds.

The University of Oregon's Center for Sustainable Business Program, Clean Energy Finance course instructed by Joshua Skov has committed to using the *BV 4 PV Solar Initiative* as a class project in Spring 2016.

V. Installation Timeline

BV is planning for the PV installation before the end of the 2016 school year. This will allow for collection of peak summer data and provide teachers with resources to use when they return for the 2016-2017 school year. This will also allow for both the 6 month and 1 year progress reports to fall within the school calendar for maximum exposure to students. (December 10, 2016 and June 10, 2017).

V. Index of Appendices

A. Proof of nonprofit status (a copy of IRS letter)
B. Introduction of *PV 4 BV Solar Initiative* Committee Members
C. Introduction of supporting BV staff members
D. Other Contributing Organizations
E. Current BV Initiatives and Programs
F. Installation diagrams
G. Proposal for installation costs and array sizing information
H. Energy Consumption history and records
I. Letter of Support from 4J Facilities
J. BVPO Letter of Support
K. Letter of Support from Cal Young Neighborhood Association
L. Letter of Support from Centro Latino Americano
M. Letter of Support from the University of Oregon's Center for Sustainable Business

IRS Department of the Treasury
Internal Revenue Service

P.O. Box 2508, Room 4010
Cincinnati OH 45201

In reply refer to: 4077552422
May 02, 2014 LTR 4168C 0
93-0921070 000000 00
00039389
BODC: TE

BUENA VISTA SPANISH IMMERSION
SCHOOL PARENT ORGANIZATION
1500 QUEENS WAY
EUGENE OR 97401-5164

49324

Employer Identification Number: 93-0921070
Person to Contact: R MOLLOY
Toll Free Telephone Number: 1-877-829-5500

Dear Taxpayer:

This is in response to your Dec. 17, 2013, request for information regarding your tax-exempt status.

Our records indicate that you were recognized as exempt under section 501(c)(03) of the Internal Revenue Code in a determination letter issued in March 1987.

Our records also indicate that you are not a private foundation within the meaning of section 509(a) of the Code because you are described in section(s) 509(a)(1) and 170(b)(1)(A)(vi).

Donors may deduct contributions to you as provided in section 170 of the Code. Bequests, legacies, devises, transfers, or gifts to you or for your use are deductible for Federal estate and gift tax purposes if they meet the applicable provisions of sections 2055, 2106, and 2522 of the Code.

Please refer to our website www.irs.gov/eo for information regarding filing requirements. Specifically, section 6033(j) of the Code provides that failure to file an annual information return for three consecutive years results in revocation of tax-exempt status as of the filing due date of the third return for organizations required to file. We will publish a list of organizations whose tax-exempt status was revoked under section 6033(j) of the Code on our website beginning in early 2011.

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May 02, 2014 LTR 4168C 0
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BUENA VISTA SPANISH IMMERSION
SCHOOL PARENT ORGANIZATION
1500 QUEENS WAY
EUGENE OR 97401-5164

If you have any questions, please call us at the telephone number shown in the heading of this letter.

Sincerely yours,

Tamera Ripperda
Director, Exempt Organizations

State of Oregon

OFFICE OF THE SECRETARY OF STATE
Corporation Division

Certificate of Existence 742P375X9

I, Kate Brown, Secretary of State of Oregon, and Custodian of the Seal of said State, do hereby certify:

BUENA VISTA SPANISH IMMERSION SCHOOL PARENT ORGANIZATION

is

Incorporated

under the laws of The State of Oregon

and is active on the records of the Corporation Division as of the date of this certificate.

In Testimony Whereof, I have hereunto set my hand and affixed hereto the Seal of the State of Oregon.

Kate Brown, Secretary of State

12/5/2014

Appendix B: *PV 4 BV Solar Initiative* Committee Members

Nonie Ganakis. Nonie has a son at Buena Vista and is a therapist for adults and families at Lane County Behavioral Health. Nonie is an avid volunteer and community organizer and has worked in Central and South America in Public Health. Nonie served on the board of Centro Latino Americano and spearheaded programs at Buena Vista and Lane County Behavioral Health. Nonie is also an ayurvedic practitioner focusing on food as medicine and herbalism in educating people about the uses and health benefits of everyday plants and herbs. Nonie has a B.A. in History and Literature and a Masters of Social Work and is a Licensed Clinical Social Worker serving Spanish speaking families.

Britni Churnside Jessup, LEED AP Britni is the Interiors Director at Rowell Brokaw Architects. She has a kindergarden son currently at BV (and a pre-kinder son soon to attend BV). Raised in Eugene, (a BV alum), she received a B.A. in Spanish and a B.S. in International Business Administration with a concentration in Finance from the University of Washington and a Master of Architecture from the University of Oregon. While at the University of Oregon, she worked for the Center for Housing Innovations Building Science Lab doing research related to sustainable design projects, energy management and case study development. She currently serves on the Advisory Board for the Eugene Public Library Foundation's Imagination Library and has brought The Architecture Foundation of Oregon's Architects in Schools to BV for the first time and is currently leading 4th graders through a project related to disaster relief shelters and creative use of sustainable local and regional materials.

Angie Marzano. Angie is the Director of Business Development for BRING and has two sons at BV. Before coming to BRING, she worked as a commercial energy management specialist helping Eugene Water & Electric Board (EWEB) customers design and implement strategies that reduced energy use, managed carbon emissions and improved business operations. Angie holds a Bachelor of Arts in Political Science and Business Administration from the University of Oregon and a Masters of Arts in Urban Studies from Portland State University. She currently serves on the board of Greenlane Sustainable Business Network. She served as Special Projects Chair for the Association of Oregon Recyclers (AOR). During her tenure with AOR, she helped with the passage of Senate Bill 707 — Oregon's Bottle Bill modernization, and House Bill 2626 — the electronic waste (e-waste) legislation. Angie brings over ten years of environmental sustainability experience to BRING and this project. ▫

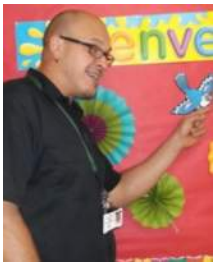
Nick Andrews. Nick has a son at BV. He is a faculty member at Oregon State University's Center for Small Farms and Community Food Systems. Nick has been working with OSU extension for 11 years in various capacities: as an educator, researcher, project manager, curriculum developer. He specializes in ecological horticulture. His work focuses on ecological vegetable production and beginning farmer training. He has authored curriculums that address growing sustainable organic food and provides consultation internationally to farmers and institutions.

Appendix C: Supporting staff

Juan Cuadros, Principal. Juan has a Master's of Education, Master's of Arts in Spanish and a Bachelor's of Arts in Spanish from the University of Oregon. He has been the principal at Buena Vista since 2009 and is an avid supporter of Buena Vista becoming a more sustainable school. Juan has been a tireless advocate for communities of color in Lane County for the last 15 years. His advocacy for minority students and families is far reaching: board membership on five Latino educator associations, human rights presentations, Latino leadership committees. Juan is a leader in the Latino community and has improved access for communities of color in education and community resources.

Teachers & Staff:

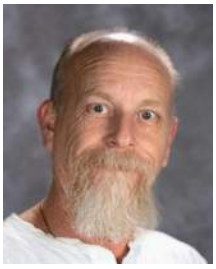
Carmelita Bradley, 5th grade
Carmelita has been a bilingual educator for over 30 years. Currently her class is in charge of the recycling program at Buena Vista. Carmelita was previously involved in the school garden and composting programs and is excited to continue her sustainability focus with the addition of solar power at Buena Vista.



Ricardo Llamas, 4th grade
"The possibility of our school becoming a green school is truly inspiring; to be able to teach our kids about more than our state standards and to raise honest global citizens with a mind to improve the world is monumental. It is exactly why I got into teaching in the first place!"

Beatriz Downes, 3rd grade
Bea brings with her 30 years of teaching experience in elementary schools. She is an advocate of STEM science teaching and was the founder of the previous school garden at Buena Vista as well as the first teacher to integrate sustainability education with curriculum/hands on learning. She teaches salmon lifecycle, old growth forests annually and hopes to integrate solar power and school garden curriculum in the next year.

Wade Smith, Custodial Maintenance Manager



Wade has been a strong proponent of sustainability measures at Buena VIsta. He is an active participant in the environmental measures implemented by RE:think Schools. He is responsible for spearheading the Love Food Not Waste program for onsite composting. As BV's Custodial Manager, Wade has been supportive and instrumental in BV's progress as a green school.

Appendix D: Other Contributing Organizations

Advanced Energy Systems. BV anticipates that it will work with Justin Wilbur and Advanced Energy Systems to install this system. Advanced Energy Systems, based out of Eugene, has over 25 years experience in the solar industry and is responsible for more commercial solar installations than any other company in Oregon. They have completed the initial assessment on a site walk-through and have documented potential energy savings and array sizes based on the experience and current practices. They have evaluated the proposed installation and provided the project team with current CAD layout plans, pricing and system integration.

Appendix E: Current BV Initiatives and Programs

Buena Vista is currently implementing the following programs as they continue on their journey to become a more sustainable school - financially, socially and environmentally.

RE:think Schools: BV is one of three schools participating in the "RE:think Schools Pilot Program," offered by BRING and Lane County Waste Management. The program provides support, recognition and certification for conservation efforts related to energy, water and other resources. Since 1971, BRING has worked to change attitudes and behaviors regarding waste. The RE:think Schools Program incorporates initiatives that focus on waste prevention and climate change.

Amity Intern: Amity Institute's Educational Internship Program provides future educators from other countries the opportunity to gain teaching skills under the direct supervision of a certified teacher in a Buena Vista classroom. Interns serve as living models of language and culture. Buena Vista interns offer a native perspective on their language, culture and country, enabling students to better understand and appreciate the languages they study. Since 2010, Buena Vista has hosted 17 Amity Interns. We currently have five Interns providing support to each grade level (1-5) and stay with a BV host family.

The Great Kindness Challenge: Buena Vista annually participates in the The Great Kindness Challenge - a week-long event devoted to inspiring kids to perform as many acts of kindness as possible. Students can choose from a 50 "acts" where teachers are then able to start a discussion with students about why being kind to each other is so very important. This challenge creates a culture of kindness and inspires tolerance, unity and respect for all Buena Vista students and staff.

Weekend Backpack School Assistance Program: This spring Buena Vista will team-up with the local initiative, Feed Hope, in a large-scale food packaging and distribution program for our neighborhood's public schools. Local funds are being raised to bring the Virginia non-profit, Generosity Feeds to our neighborhood for a massive one day food packaging event in May. At that event, 300 local volunteers will package 10,000 meals for children in our community facing food insecurity. 4,000 of those meals will be stored at Buena Vista and distributed into backpacks on each Friday during the 2016-2017 school year. Children who receive food assistance through the school cafeteria on Monday through Friday will now also receive a nutritious warm meal every weekend. The delicious portion of beans and rice can be easily prepared by a child without adult assistance if necessary. The addition of the Weekend Backpack Food Program will not only be a great addition to the Buena Vista food assistance effort, which for many years has consisted of two enthusiastically supported food drives per year, but equally important, will engage hundreds of people in addressing child food issues locally.

5th Grade Cultural Immersion Trip: Since 1986, Buena Vista has been providing a 2-week long cultural immersion travel experience to 5th graders. Students fundraise all year in order to make the trip and the Buena Vista Parent Organization financially supports students unable to pay the full trip costs. Over the last thirty years, over 450 students have had the opportunity to experience full cultural immersion through travel.

ORIGINAL PROPOSED LOCATION

REVISED LOCATION 02.16.2016

N

S

DRAFT #2 BY: TBB
Revised 02/10/16

Buena Vista Elementary School

8.58 kW Solar Energy System
1500 Queens Way
Eugene, OR 97401

*PRELIMINARY, NOT FOR CONSTRUCTION.

ADVANCED ENERGY SYSTEMS

65 Centennial Lp, Eugene OR 97401
Office (541) 683-2345
Fax (541) 683-2040
CCB# 160523
www.aesrenew.com

ADVANCED ENERGY SYSTEMS

Turning tax liability into green energy

Buena Vista Spanish Immersion Elementary School

Site Location: 1500 Queens Way
Eugene, Oregon 97401

8.6 KW Solar Electric System

Prepared By
Justin Wilbur
Wednesday, February 10, 2016

Advanced Energy Systems is the leading solar integrator in Oregon. Since 2002, we have completed hundreds of solar energy installations throughout the state of Oregon. Our clients include private commercial, industrial, and residential customers, as well as local, state and federal agencies. During the last decade, the majority of commercial solar energy systems in the state have been built by AES. We provide a turn-key solution including site evaluation, energy analysis, grant writing, tax incentive analysis, engineering, custom design, project management, installation, and service. Advanced Energy Systems is an Oregon-based company with headquarters in Eugene. www.AESrenew.com

ADVANCED ENERGY SYSTEMS

Turning tax liability into green energy

Re: Buena Vista Spanish Immersion Elementary School

1500 Queens Way
Eugene, Oregon 97401

8.6 KW Solar Electric System

System Description:

A 8.6 kW PV power system, including SolarWorld 260 Watt polycrystalline solar modules, a custom roof-mounted racking system, stainless steel module fastening hardware, SMA 7700 TL-US-22 inverter(s) and all necessary conduit, wire, fuses and disconnects for an NEC-compliant system. Permit fees and utility paperwork included.

Total Cost Installed		**$48,500** [1]
Less Tax Credit & Incentives:		
EWEB Green Power Grant	(50,000)	
Installed Net Cost Sub-Total		**($1,500)**
Income Benefit		
35 Year Energy Savings	(63,050)	
Net System Balance		**($64,550)**

[1] Available Options for this Proposal:
Live Solar Monitoring Web Page - Add $1,500

Buena Vista Spanish Immersion Elementary School - 8.6 KW Solar Electric System Period Cash Flow (Cash Payment)

		System Cost Incl. Monitoring	Energy Tax Credit	MACRS Tax Deductions		Net Tax Benefits	Utility Grants	System Revenue	Net Cash Flow	
Year		Cash Outflow	Federal Investment Tax Credit	Federal Depreciation @ 35% Tax Rate	State Depreciation @ 9.0% Tax Rate	Net Credits	EWEB Grant	Annual Energy Savings	Cash Flow	Net Cash Balance
1	2016	($50,000)	$14,550	$8,657	$873	$24,080	$50,000	$633	$24,713	$24,713
2	2017			2,309	1,397	3,705		668	4,373	29,086
3	2018			1,385	838	2,223		704	2,927	32,013
4	2019			831	503	1,334		743	2,076	34,090
5	2020			831	503	1,334		783	2,117	36,207
6	2021			416	251	667		826	1,493	37,700
7	2022							871	871	38,571
8	2023							919	919	39,490
9	2024							969	969	40,459
10	2025							1,022	1,022	41,481
11	2026							1,078	1,078	42,559
12	2027							1,137	1,137	43,696
13	2028							1,199	1,199	44,895
14	2029							1,265	1,265	46,160
15	2030							1,334	1,334	47,494
16	2031							1,407	1,407	48,901
17	2032							1,484	1,484	50,385
18	2033							1,565	1,565	51,950
19	2034							1,651	1,651	53,600
20	2035							1,741	1,741	55,341
21	2036							1,836	1,836	57,177
22	2037							1,937	1,937	59,114
23	2038							2,043	2,043	61,156
24	2039							2,154	2,154	63,311
25	2040							2,272	2,272	65,583
26	2041							2,396	2,396	67,979
27	2042							2,527	2,527	70,507
28	2043							2,666	2,666	73,172
29	2044							2,812	2,812	75,984
30	2045							2,965	2,965	78,949
31	2046							3,128	3,128	82,077
32	2047							3,299	3,299	85,375
33	2048							3,479	3,479	88,854
34	2049							3,669	3,669	92,524
35	2050							3,870	3,870	96,394
Totals:		($50,000)	$14,550	$14,429	$4,365	$33,344	$50,000	$63,050	$96,394	

Summary

Initial System Cost	($48,500)
Total Tax Credits	33,344
Utility Incentive	50,000
35 Year Total Energy Savings	63,050
Net System Benefit	$97,894
Simple Payback	1 Years

ADVANCED ENERGY SYSTEMS

Turning tax liability into green energy

Energy Savings

First Year Savings
10,403 kWh First Year Savings
x $0.061 From EWEB
= $633 Annual Savings

35 Year Energy Savings
334,778 kWh
at 6.0% Energy Rate Inflation
= $63,050 Total Savings

Environmental Benefits

During its lifetime, this system will offset:

150 Tons of CO2

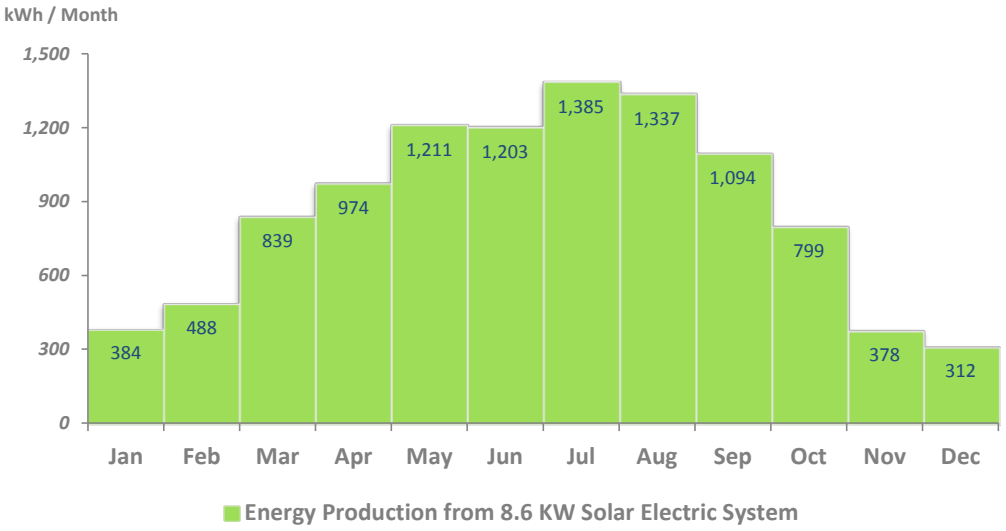
Which is the equivalent to the conservation of:

3,500 Trees

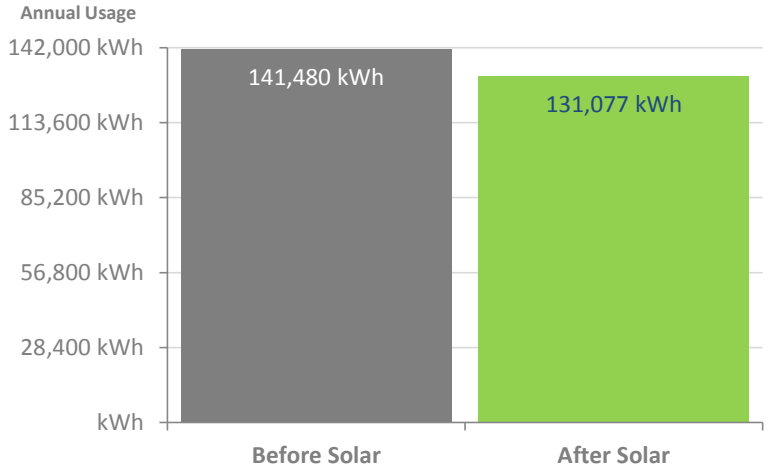
or. . .

15,370 Gallons of Gasoline

Solar Production



Utility Provided Energy Offset by Solar: 7%



Notes:

Notes - Proposal

1. The prices quoted are valid until March 15th, 2016.

2. A negative Net System Balance occurs when the combination of the tax credit, allowable depreciation, electric utility grant, and energy savings exceed the installed system cost over the 35 year system life. This represents an expected positive return. The tax credit and depreciation benefits are subject to eligibility and must be verified by your Financial Advisor.

3. The 30% Federal Investment Tax Credit (ITC) can be carried back one year, taken in the first year, and carried forward 20 years until used up.

4. The MACRS Depreciation is calculated at the Federal tax rate and an Oregon tax rate listed in the financial summaries. Please check with your Financial Advisor to verify tax rates and adjust if necessary.

5. The system will require electrical and structural engineering reports to verify feasibility. These reports are required for obtaining permits. The costs of these reports are included in the total system cost quoted above.

6. Live web based monitoring requires an owner supplied connection to the internet. The monitoring system sends energy production data out to the solar monitoring database. This data is then accessed from an internet connected computer, website, or kiosk instantly.

7. EWEB Green Power funding is awarded on a competitive basis.

8. Specialized roofing procedures, if required by roofing contractor or roofing manufacturer of record, may increase the total cost.

9. The annual energy savings, on Page 3 under “System Revenue”, and the “Energy Rate Inflation” on Page 4, is projected at a 6% Escalation Rate. This average annual rate is forecast for 35 years based on current Industry trends. Annual rates will likely vary over the life of the system. AES cannot guarantee the average annual rates. Please check with your Financial Advisor for any variance in projections that you may require.

Notes - Cash Flow:

A. For Federal purposes, the depreciable basis of property qualifying for the energy tax credit is reduced by 50% of the tax credit under IRC§50(c)(3)(A).

Submitted By

Eric Nill, Principal
Advanced Energy Systems

Accepted By

Date

Consumption History By Address

Service Details: Water

EWEB Consumption Statistics

Note: The information on this report is for educational purposes only regarding consumption. It may not include adjustments or other factors which may affect the actual usage or charges at this service.

45311
Premise Code

Begin Date January 27, 2014 **End Date** January 27, 2016

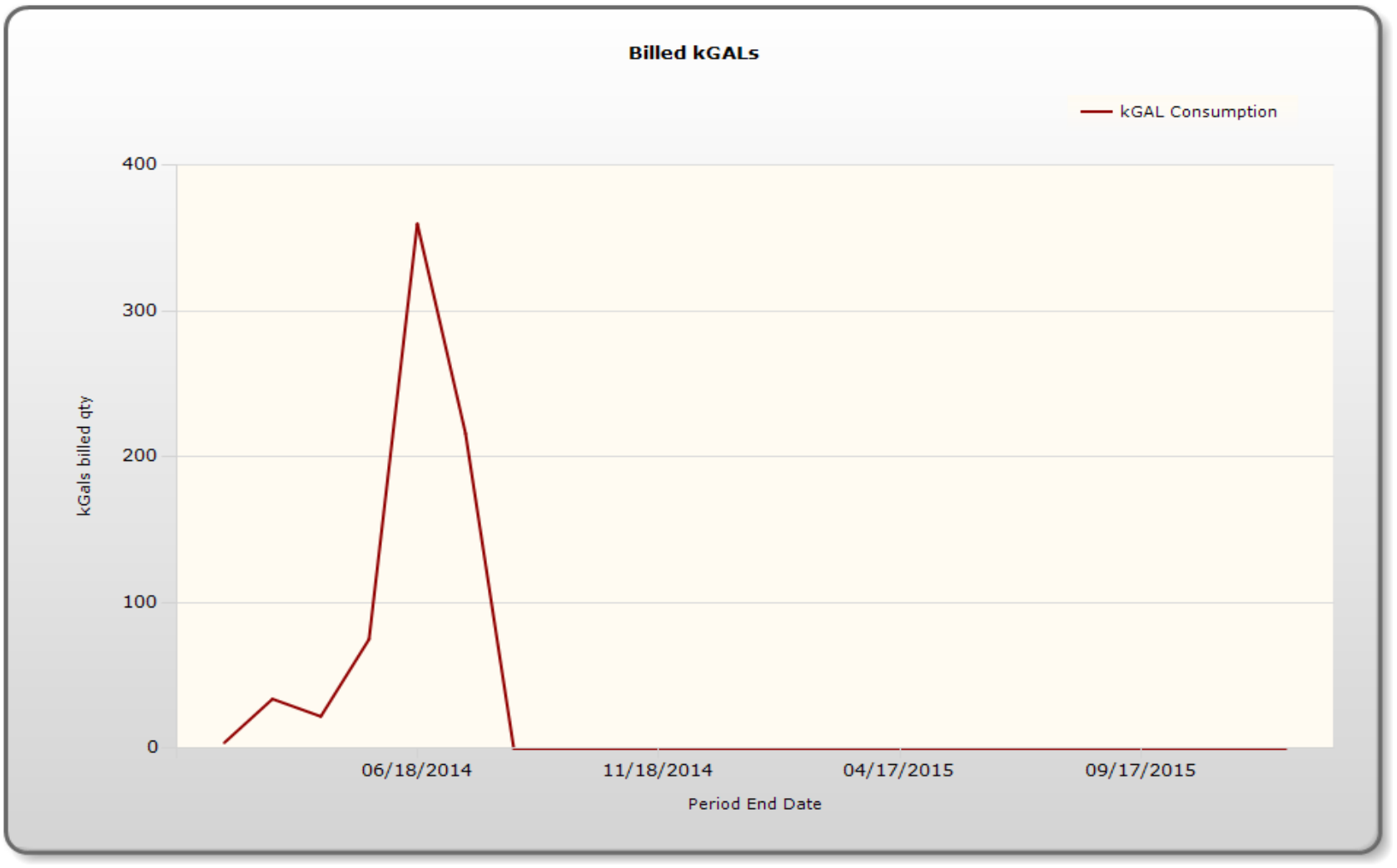
400
Service Number

Address 1500 QUEENS WAY

78787431
Active Meter on: 12/16/2015

Customer SCHOOL DIST 4J ELEM (241689)

Period End Date	Days of Service	Water Consumption (	Average Gallons per	Meter Reading	Meter Nbr	Unit of Measure	Service Conn. Size	Basic Charge	KGAL Chg.	Adj	Total
2015 - December 16	29	0	0.0	0	78787431	KGAL	2	$72.11	$0.00		$72.11
2015 - November 17	29	0	0.0	0	78787431	KGAL	2	$72.11	$0.00		$72.11
2015 - October 19	32	0	0.0	0	78787431	KGAL	2	$72.11	$0.00		$72.11
2015 - September 17	30	0	0.0	0	78787431	KGAL	2	$72.11	$0.00		$72.11
2015 - August 18	29	0	0.0	0	78787431	KGAL	2	$72.11	$0.00		$72.11
2015 - July 20	33	0	0.0	0	78787431	KGAL	2	$72.11	$0.00		$72.11
2015 - June 17	33	0	0.0	0	78787431	KGAL	2	$72.11	$0.00		$72.11
2015 - May 15	28	0	0.0	0	78787431	KGAL	2	$72.11	$0.00		$72.11
2015 - April 17	31	0	0.0	40,067	78787431	KGAL	2	$72.11	$0.00		$72.11
2015 - March 17	28	0	0.0	40,067	33158	KGAL	2	$72.11	$0.00		$72.11
2015 - February 17	28	0	0.0	40,067	33158	KGAL	2	$72.11	$0.00		$72.11
2015 - January 20	33	0	0.0	40,067	33158	KGAL	2	$64.72	$0.00		$64.72
2014 - December 18	30	0	0.0	40,067	33158	KGAL	2	$64.72	$0.00		$64.72
2014 - November 18	29	0	0.0	40,067	33158	KGAL	2	$64.72	$0.00		$64.72
2014 - October 20	32	0	0.0	40,067	33158	KGAL	2	$64.72	$0.00		$64.72
2014 - September 18	30	0	0.0	40,067	33158	KGAL	2	$64.72	$0.00		$64.72
2014 - August 19	29	0	0.0	40,067	33158	KGAL	2	$64.72	$0.00		$64.72
2014 - July 21	33	216	6,545.5	40,067	33158	KGAL	2	$64.72	$592.92		$657.64
2014 - June 18	30	360	12,000.0	39,851	33158	KGAL	2	$64.72	$988.20		$1,052.92
2014 - May 19	28	75	2,678.6	39,491	33158	KGAL	2	$64.72	$205.88		$270.60
2014 - April 21	32	22	687.5	39,416	33158	KGAL	2	$64.72	$60.39		$125.11
2014 - March 20	29	34	1,172.4	39,394	33158	KGAL	2	$64.72	$93.33		$158.05
2014 - February 19	33	4	121.2	39,360	33158	KGAL	2	$64.72	$10.98		$75.70
	698	**711**	**1,018.6**					**$1,569.85**	**$1,951.70**		**$3,521.55**


Billed kGALs
kGAL Consumption
400
300
200
100
0
kGals billed qty
06/18/2014
11/18/2014
04/17/2015
09/17/2015
Period End Date

Consumption History By Address

Service Details: Water

EWEB Consumption Statistics

Note: The information on this report is for educational purposes only regarding consumption. It may not include adjustments or other factors which may affect the actual usage or charges at this service.

45311

Premise Code

January 27, 2016

Begin Date January 27, 2014 **End Date**

401

Service Number

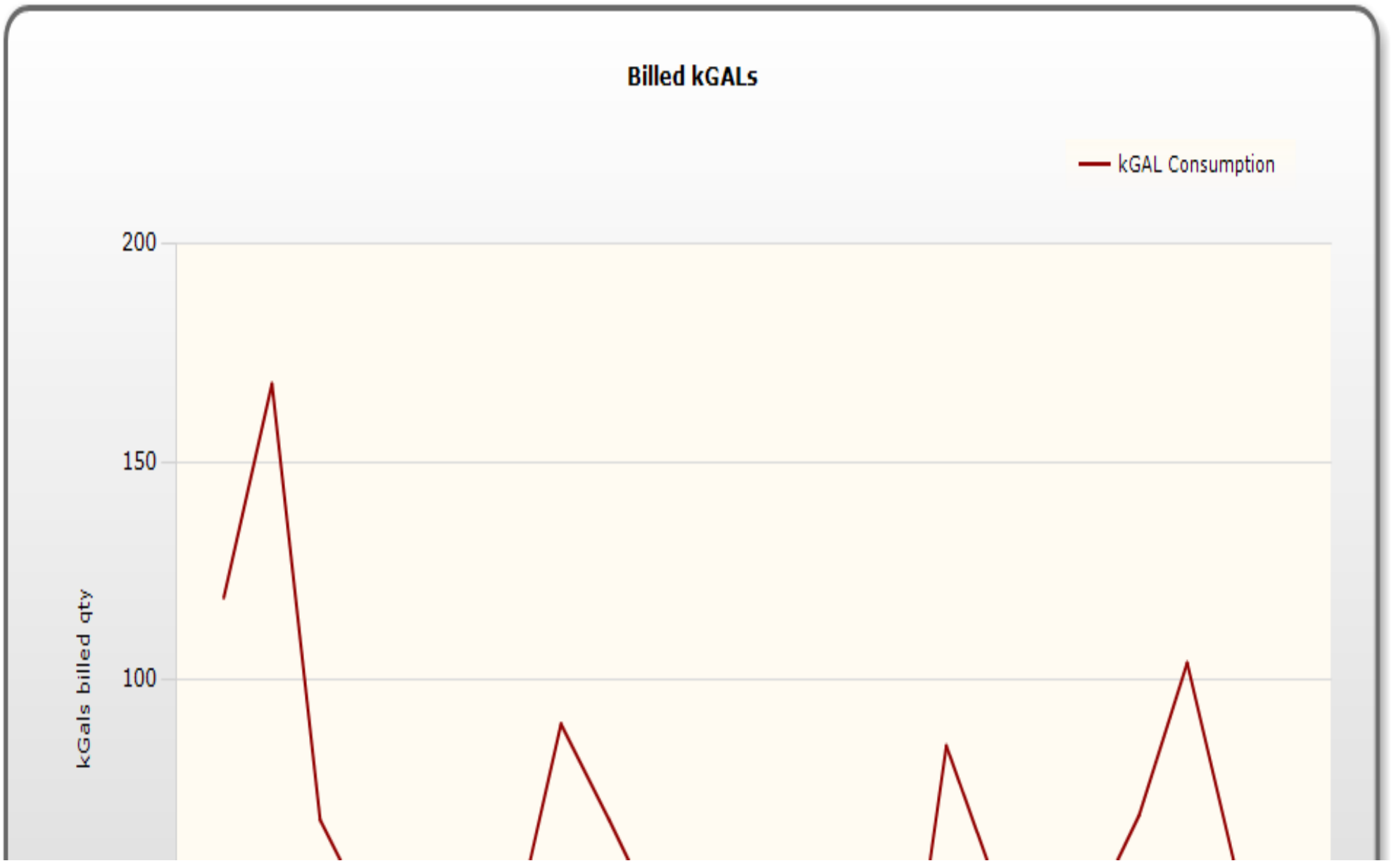
Address 1500 QUEENS WAY

78787431

Active Meter on: 12/16/2015

Customer SCHOOL DIST 4J ELEM (241689)

Period End Date	Days of Service	Water Consumption (	Average Gallons per	Meter Reading	Meter Nbr	Unit of Measure	Service Conn. Size	Basic Charge	KGAL Chg.	Adj	Total
2015 - December 16	29	47	1,620.7	514	78722850	KGAL	1.5	$40.24	$129.02		$169.26
2015 - November 17	29	57	1,965.5	467	78722850	KGAL	1.5	$40.24	$156.47		$196.71
2015 - October 19	32	104	3,250.0	410	78722850	KGAL	1.5	$40.24	$285.48		$325.72
2015 - September 17	30	69	2,300.0	306	78722850	KGAL	1.5	$40.24	$189.41		$229.65
2015 - August 18	29	46	1,586.2	237	78722850	KGAL	1.5	$40.24	$126.27		$166.51
2015 - July 20	33	52	1,575.8	191	78722850	KGAL	1.5	$40.24	$142.74		$182.98
2015 - June 17	33	54	1,636.4	139	78722850	KGAL	1.5	$40.24	$148.23		$188.47
2015 - May 15	28	85	3,035.7	85	78722850	KGAL	1.5	$40.24	$233.33		$273.57
2015 - April 17	31	7	225.8	16,607	78722850	KGAL	1.5	$40.24	$19.22		$59.46
2015 - March 17	28	45	1,607.1	16,600	44198938	KGAL	1.5	$40.24	$123.53		$163.77
2015 - February 17	28	44	1,571.4	16,555	44198938	KGAL	1.5	$40.24	$120.78		$161.02
2015 - January 20	33	29	878.8	16,511	44198938	KGAL	1.5	$36.12	$79.61		$115.73
2014 - December 18	30	44	1,466.7	16,482	44198938	KGAL	1.5	$36.12	$120.78		$156.90
2014 - November 18	29	45	1,551.7	16,438	44198938	KGAL	1.5	$36.12	$123.53		$159.65
2014 - October 20	32	68	2,125.0	16,393	44198938	KGAL	1.5	$36.12	$186.66		$222.78
2014 - September 18	30	90	3,000.0	16,325	44198938	KGAL	1.5	$36.12	$247.05		$283.17
2014 - August 19	29	41	1,413.8	16,235	44198938	KGAL	1.5	$36.12	$112.55		$148.67
2014 - July 21	33	47	1,424.2	16,194	44198938	KGAL	1.5	$36.12	$129.02		$165.14
2014 - June 18	30	48	1,600.0	16,147	44198938	KGAL	1.5	$36.12	$131.76		$167.88
2014 - May 19	28	46	1,642.9	16,099	44198938	KGAL	1.5	$36.12	$126.27		$162.39
2014 - April 21	32	68	2,125.0	16,053	44198938	KGAL	1.5	$36.12	$186.66		$222.78
2014 - March 20	29	168	5,793.1	15,985	44198938	KGAL	1.5	$36.12	$461.16		$497.28
2014 - February 19	33	119	3,606.1	15,817	44198938	KGAL	1.5	$36.12	$326.66		$362.78
	698	**1,423**	**2,038.7**					**$876.08**	**$3,906.19**		**$4,782.27**


Billed kGALs
kGAL Consumption
200
150
100
kGals billed qty

Consumption History By Address

Service Details: Commercial Electric

EWEB Consumption Statistics

Note: The information on this report is for educational purposes only regarding consumption. It may not include adjustments or other factors which may affect the actual usage or charges at this service.

45311

Premise Code

January 27, 2016

Begin Date January 27, 2014 **End Date**

100

Service Number

Address 1500 QUEENS WAY

78787431

Active Meter on: 12/16/2015

Customer SCHOOL DIST 4J ELEM (241689)

Period End Date	Days of Service	Demand kW	Energy kWh	Avg. kWh/ DOS	Heating Degree Days	Load Factor	Meter #	Acct Status	Rate	Base Charge	Reactive Charge	Demand Charge	Energy Charge	Adj.	Total
16 Dec 2015	29	66.00	15,600	538	627	34%	174021	Active	GELM	$57.85	$0.00	$478.50	$949.10		**$1485.45**
17 Nov 2015	29	64.40	15,480	534	403	35%	174021	Active	GELM	$57.85	$0.00	$466.90	$941.80		**$1466.55**
19 Oct 2015	32	58.40	12,700	397	141	28%	174021	Active	GELM	$57.85	$0.00	$423.40	$772.67		**$1253.92**
17 Sep 2015	30	59.60	8,880	296	63	21%	174021	Active	GELM	$57.85	$0.00	$432.10	$540.26		**$1030.21**
18 Aug 2015	29	18.00	3,920	135	5	31%	174021	Active	GELM	$57.85	$0.00	$130.50	$238.49		**$426.84**
20 Jul 2015	33	22.40	5,620	170	4	32%	174021	Active	GELM	$57.85	$0.00	$162.40	$341.92		**$562.17**
17 Jun 2015	33	62.00	11,940	362	113	24%	174021	Active	GELM	$57.85	$0.00	$449.50	$726.43		**$1233.78**
15 May 2015	28	61.60	12,520	447	308	30%	174021	Active	GELM	$57.85	$0.00	$446.60	$761.72		**$1266.17**
17 Apr 2015	31	64.60	12,920	417	458	27%	174021	Active	GELM	$57.85	$0.00	$468.35	$786.05		**$1312.25**
17 Mar 2015	28	63.00	13,700	489	479	32%	174021	Active	GELM	$57.85	$0.00	$456.75	$833.51		**$1348.11**
17 Feb 2015	28	65.00	14,560	520	468	33%	174021	Active	GELM	$57.85	$0.00	$471.25	$885.83		**$1414.93**
20 Jan 2015	33	65.20	13,700	415	708	27%	174021	Active	GELM	$57.85	$0.00	$472.70	$833.51		**$1364.06**
18 Dec 2014	30	62.00	15,620	521	595	35%	174021	Active	GELM	$57.85	$0.00	$449.50	$950.32		**$1457.67**
18 Nov 2014	29	62.60	14,600	503	452	34%	174021	Active	GELM	$57.85	$0.00	$453.85	$888.26		**$1399.96**
20 Oct 2014	32	58.80	14,580	456	100	32%	174021	Active	GELM	$57.85	$0.00	$426.30	$887.05		**$1371.20**
18 Sep 2014	30	58.60	11,620	387	8	28%	174021	Active	GELM	$57.85	$0.00	$424.85	$706.96		**$1189.66**
19 Aug 2014	27	18.20	4,300	159	6	36%	174021	Active	GELM	$57.85	$0.00	$131.95	$261.61		**$451.41**
23 Jul 2014	35	30.40	6,080	174	21	24%	151505	Active	GELM	$57.85	$0.00	$220.40	$369.91		**$648.16**
18 Jun 2014	30	52.80	13,120	437	156	35%	151505	Active	GELM	$57.85	$0.00	$382.80	$798.22		**$1238.87**
19 May 2014	28	58.40	13,280	474	265	34%	151505	Active	GELM	$57.85	$0.00	$423.40	$807.96		**$1289.21**
21 Apr 2014	32	58.40	13,520	422	462	30%	151505	Active	GELM	$57.85	$0.00	$423.40	$822.56		**$1303.81**
20 Mar 2014	29	64.00	17,040	588	468	38%	151505	Active	GELM	$57.85	$0.00	$464.00	$1036.71		**$1558.56**
19 Feb 2014	33	66.40	16,080	487	839	31%	151505	Active	GELM	$57.85	$0.00	$481.40	$978.31		**$1517.56**
	698				**7,149**					**$1,330.55**	**$0.00**	**$9,140.80**	**$17,119.16**		**$27,590.51**

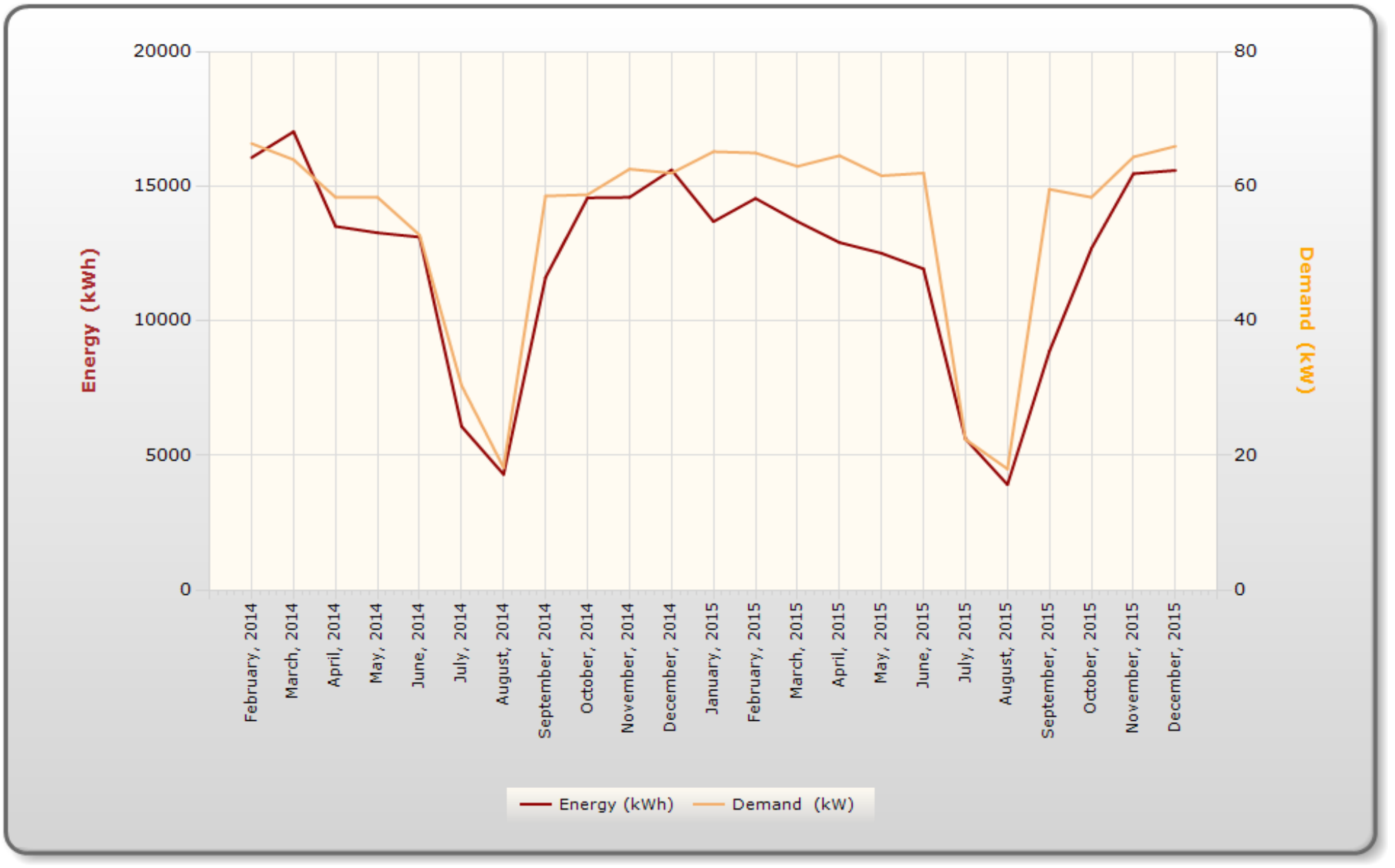
Annual and Monthly Estimates Based on Readings From Previous Year :

to

February 05, 2015

January 27, 2016

Peak Demand (kW)	66.00	**Annual Cost per kWh** (Excluding Demand)	$0.07
Monthly Demand (kW / Month)	55.73	**Annual Cost per kWh** (Including Demand)	$0.10
Monthly Consumption (kWh / Month)	11,776.78	**Annual Consumption** (kwh / Year)	141,495.636
KVAR ?	FALSE	**Annual kWh Cost** ($$ / Year)	$14167.69
		Annual Load Factor	29%



School District 4J
Eugene Public Schools
200 North Monroe Street
Eugene, OR 97402-4295

February 19, 2016

Kristen Langham
Eugene Water & Electric Board
500 E. 4th Avenue
Eugene, OR 97401

RE: The "PV 4 BV" Solar Initiative

Dear Mrs. Langham,

Buena Vista is applying for Eugene Water & Electric Board's Greenpower Grant to fund a solar installation project located at 1500 Queens Way, Eugene, OR, 97401. The grant application requires "proof of ownership or authority to install equipment at or otherwise modify the building" in the event that Buena Vista is awarded the Greenpower grant. As Buena Vista's Principal, I'd like to express my support for the project and my consent for the installation of the proposed system.

The project is for an 8.6 kW state-of-the-art solar photovoltaic (PV) array to be installed on the south wing of the school where it is immediately visible by the hundreds of cars approaching daily. The proposed solution provided by Advanced Energy Systems – a reputable Eugene solar installer – includes a platform to extract and interpret data and an opportunity to create bilingual grade-school level STEM (Science, Technology, Engineering and Math) curriculum in Spanish and English.

4J Schools have already realized the benefits of solar energy and precedents have been set in regards to recent successful installs within the district; they now require them on all new construction projects. Schools offer a unique opportunity with large, flat rooftops and clear surroundings. An installed system will offset operational costs to the district right away and offer protection against projected future increases in utility rates.

As a clean energy technology, solar can provide deep reductions in greenhouse gas and criteria air pollutant emissions helping to protect human health and the environment and modeling sustainability and environmental stewardship to the students. Thank you for your time and for the consideration of our school's proposal.

Sincerely,

Juan Cuadros, Principal
Buena Vista Spanish Immersion School

February 18, 2016

Kristen Langham
Eugene Water & Electric Board
500 E. 4th Avenue
Eugene, OR 97401

RE: LETTER OF SUPPORT FOR BUENA VISTA ELEMENTARY PURSUING GREENPOWER GRANT

Dear Mrs. Langham,

Buena Vista is applying for Eugene Water & Electric Board's Greenpower Grant. The application for the EWEB grant is to fund a solar installation. The Buena Vista Parent Organization (BVPO) would like to offer a letter of support for this solar project.

BVPO supports this program for multiple reasons:

- Students will be able to access information in the classroom for experimentation, data collection and other projects to enhance STEM-based education (Science, Technology, Engineering and Math) related to onsite energy generation, consumption and use; sun and weather patterns and the importance of renewable energy sources - in Spanish.
- The fact that the curriculum would be taught in Spanish is unique and helps to reach the school's diverse demographics. This type of curriculum is currently not offered to BV students or any school in the State of Oregon.
- The Bonneville Education Foundation - Solar 4 Schools program provides free, online, research-based curriculum to teachers that incorporate energy and science-based learning education in English only, translation services would be necessary.

Because of the community benefits of this project, the benefits of the school and students, language enrichment opportunities, BVPO is pleased to offer its support for this project.

Sincerely,

Tim Bruegman

BVPO President

January 28, 2016

Kristen Langham
Eugene Water & Electric Board
500 E. 4th Avenue
Eugene, OR 97401

RE: LETTER OF SUPPORT FOR BUENA VISTA ELEMENTARY PURSUING GREENPOWER GRANT

Dear Mrs. Langham,

Buena Vista Elementary School, part of Eugene's 4J School District is centrally located in the Cal Young Neighborhood Association (CYNA). The CYNA stretches north of Randy Pape Beltline and includes lands between Delta Highway and Coburg Road.

Buena Vista is applying for Eugene Water & Electric Board's Greenpower Grant. The application for the EWEB grant is to fund a solar installation. The CYNA would like to offer a letter of support for this solar project.

CYNA supports this program for multiple reasons:

- The solar installation will be composed of a photovoltaic system and a solar thermal system, which will demonstrate the performance of two current solar technologies, while providing an offset to Buena Vista's energy consumption - saving carbon and the 4J School District money.
- The project will be implemented according to 4J School District procurement procedures
- The project will likely qualify for additional funding through Oregon's Business Energy Tax Credit (BETC) program. BETC allows for projects like this to pass the available tax credit benefit along to a business partner through the BETC Pass-Through Option.
- The solar installation would be used as a tool for educating students and the community about renewable energy. Currently, there are no other schools on the Northside that have solar installations. This could be used as a tool for teaching the greater Northside community about renewable energy.

Because of the community benefits of this project, CYNA is pleased to offer its support to this project.

Sincerely,

David Mason

David Mason
Cal Young Neighborhood Association Chair

Centro Latino Americano

Dedicated to the empowerment of the Latino community of Lane County since 1972

February 18, 2016

Kristen Langham
Eugene Water & Electric Board
500 E. 4th Avenue
Eugene, OR 97401

RE: LETTER OF SUPPORT FOR BUENA VISTA ELEMENTARY PURSUING GREENPOWER GRANT

Dear Mrs. Langham,

Buena Vista is applying for Eugene Water & Electric Board's Greenpower Grant. The application for the EWEB grant is to fund a solar installation. The Centro Latino Americano (CLA) would like to offer a letter of support for this solar project. CLA supports this program for multiple reasons:

- Students will be able to access information in the classroom for experimentation, data collection and other projects to enhance STEM-based education (Science, Technology, Engineering and Math) related to onsite energy generation, consumption and use; sun and weather patterns and the importance of renewable energy sources - in Spanish.

- The fact that the curriculum would be taught in Spanish is unique and helps to reach the school's diverse demographics. This type of curriculum is currently not offered to BV students or any school in the State of Oregon.

- The Bonneville Education Foundation - Solar 4 Schools program provides free, online, research-based curriculum to teachers that incorporate energy and science-based learning education in English only, and translation services would be necessary.

Because of the community benefits of this project, language enrichment opportunities, Centro Latino Americano is pleased to offer its support for this project.

Sincerely,

David Sáez
Executive Director
Centro Latino Americano
(541) 687-2667 / dsaez@centrolatinoamericano.org

UNIVERSITY OF OREGON | Lundquist College of Business

February 19, 2016

Kristen Langham
Eugene Water & Electric Board
500 E. 4th Avenue
Eugene, OR 97401

RE: LETTER OF SUPPORT FOR BUENA VISTA ELEMENTARY PURSUING GREENPOWER GRANT

Dear Ms. Langham,

I am writing to you in support of Buena Vista's application for a Greenpower Grant from Eugene Water & Electric Board. The application for the EWEB grant is to fund a solar installation. The University of Oregon's Center for Sustainable Business Practices (CSBP) would like to offer a letter of support for this project.

The UO CSBP supports this project for multiple reasons:

- The solar installation will be composed of a photovoltaic system which will demonstrate the performance of current solar technologies, while providing an offset to Buena Vista's energy consumption - saving carbon and the 4J School District money.
- The project will likely qualify for additional funding through Oregon Renewable Energy Development (RED) Grant. This process would require SB 1149 Schools Program Energy Audit - eligible projects may receive reimbursement from the school district's PPC funds and the Oregon Department of Energy. The UO would like to partner with BV to provide assistance in research, writing and program implementation if awarded the grant. The Clean Energy Fiance course in Spring 2016 would be working on the project in conjunction with *PV 4 BV* project staff.
- The solar installation would be used as a tool for educating students and the community about renewable energy. Currently, there are no other schools on the Northside that have solar installations. This could be used as a tool for teaching the greater Northside community about renewable energy.

Furthermore, I believe there may be an opportunity for graduate (MBA) students from CSBP to explore innovative financing models in the context of this grant. Oregon Department of Energy has examined various "community solar" models, and if Buena Vista

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1208 University of Oregon, Eugene OR 97403-1208
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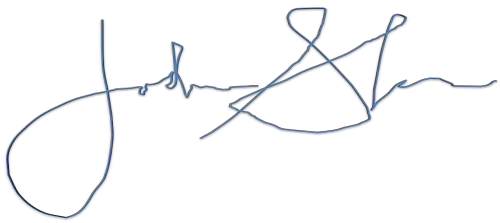
business.uoregon.edu/csbp

receives the grant, I will lead a group of my students in assessing some of these financing options.

Because of the community benefit, our support of local, renewable energy, and greater partnership opportunities between Eugene schools and the University of Oregon, we are pleased to offer our support for this project.

Sincerely,



Joshua Skov

Industry Mentor and Instructor
Center for Sustainable Business Practices
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